

Receipt date: 07/02/2007

10587098 - GAU: 2629



PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 2

Complete if Known

Application Number	10/587,098
Filing Date	24 July 2006
First Named Inventor	Thomas Andrew Cohen
Art Unit	
Examiner Name	
Attorney Docket Number	ACE0018U

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 5823782	10-20-1998	Marcus et. al.	Col 5, lines 38-52
	2	US- 2004/0214642	10-28-2004	Stephen C Beck	Para 0278 - 0279
	4	US- 2002/0092311	05-13-2004	Weston et. al.	Para 0043, 0079
	5	US- 6761637 B2	07-13-2004	Weston et. al.	all
	7	US- 6404340 B1	06-11-2002	Massachusetts Inst of Technology	Col 3, L48-67; Col 4, L1-16
	8	US- 2004/0033833	02-19-2004	Briggs et. al.	Para 0032, 0050
	9	US- 2004/0077423	04-22-2004	Weston et. al.	Para 0058
	10	US- 2001/0035815	11-01-2001	Fletcher et. al.	Para 0016
	11	US- 6167353 A	12-26-2000	Piernot et. al.	Col 9, L6-15; Col10, L29-34
	12	US- 6356255 B1	03-12-2002	Weil	all
	13	US- 5188368 A	02-23-1993	Ryan	all
	14	US- 2002/0147042 A1	10-10-2002	Vuong et. al.	all
	20	US- 5372511	12-13-1994	Cheung	all
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
	3	WO 2002/082363	10-17-2002	Alsafadi	Pg 7, Lines 9-16	
	6	WO 2004/071131	08-19-2004	Clothier	all	
	15	WO 200199410	12-27-2001	Koninklijke Philips	all	
				Electronics ICS N.V.	all	
	16	WO 200152179	07-19-2001	3M Innovative Prop. Comp.		
	17	JP-2002215012	07-31-2002	Fuji Xerox Co Ltd	all	

Examiner
Signature

/Tony Davis/

Date
Considered

07/25/2011

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.D./

DATE 07/02/2000
JUL 02 2000
FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

~~Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.~~

Complete if Known

(Use as many sheets as necessary)

Sheet	2	of	2
-------	---	----	---

Application Number	10/587,098
Filing Date	24 July 2006
First Named Inventor	Thomas Andrew Cohen
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	ACE0018U

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	18	JP-2003047771	02-18-2003	Nitta Harunori	all	
	19	GB - 2381211 A	04-30-2003	Wilson	all	
	21	JP-2002320763	11-05-2002	Toppan Forms Co Ltd	all	

07/25/2011

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.D./

Receipt date

07/02/2007

10587098 - GAU: 2629



PTO/SB/08B (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/587,098
		Filing Date	24 July 2006
		First Named Inventor	Thomas Andrew Cohen
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet 1	of 2	Attorney Docket Number	ACE0018U

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	22	PARADISO ET AL, "Sensor systems for interactive surfaces". IBM Systems Journal, Vol 39, No.3/4, 2000 P.892	
	23	OMOJOLA ET AL, "An installation of interactive furniture". IBM Systems Journal. Vol 39 No. 3/4, 2000 P.861	
	24	ULLMER & ISHII, "Emerging Frameworks for tangible user interfaces". IBM Systems Journal Vol 39, No 3/4, 2000 P.915	
	25	ANONYMOUS, "Pervasive user interface with Smart devices, centralised computing and communication". (IBM) RD 449163. Sep 2001	
	26	ANONYMOUS, "Interactive host capture of gesture input of a touch system". (IBM) RD312038. Apr 1990. 1/1	
	27	ANONYMOUS, "Printing improvements utilizing proximity detection", (IBM) RD 467054, March 2003, 1/2	
	28	ANONYMOUS, "Printer or multi-function device reconfiguration system utilizing RFID tag detection" (IBM) RD 490082, Feb 2005 1/2	
	29	POST ET AL, "E-broidery; Design and fabrication of textile-based computing", IBM Systems Journal V39, No. 3/4, 2000 P840	
	30	SCHMIDT ET AL, "Enabling implicit human computer interaction a wearable RFID tag reader". ISWC 2000, P.193	
	31	FU ET AL, "A framework for device capability on demand and virtual device user experience" IBM J. RES. DEV. Vol 48 No. 516, 2004	

Examiner Signature	/Tony Davis/	Date Considered	07/25/2011
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.D./

Receipt date: 07/02/2007

U.S. Patent and Trademark Office

10587098 - GAU: 2629

PTO/SB/08B (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/587,098
		Filing Date	24 July 2006
		First Named Inventor	Thomas Andrew Cohen
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet 2 of 2	Attorney Docket Number	ACE0018U	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	32	ANONYMOUS, "Pictorial Programmable function keys for keypad". Research Disclosure 265071, UK, May 1986	
	33	R.J.K. JACOB ET AL "A tangible interface for organizing information using a grid". Proc. ACM CHI Conference on Human Factors in Computing Systems, pp. 339-46, 2002	
	34	B. ULLMER ET AL, "The metaDESK: Models and prototypes for tangible user interfaces". Prox. ACM Symposium on User Interface Software and Technology, pp. 223-32, 1997	
	35	GDT Projects website, DGT Electronic Chessboard page, as archived December 2003 http://web.archive.org/web/20031207090754/www.dgtprojects.com/eboard.htm	
		(cont...) http://web.archive.org/web/20031206104544/www.dgtprojects.com/eboard_features.htm	

Examiner Signature	/Tony Davis/	Date Considered	07/25/2011
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.D./